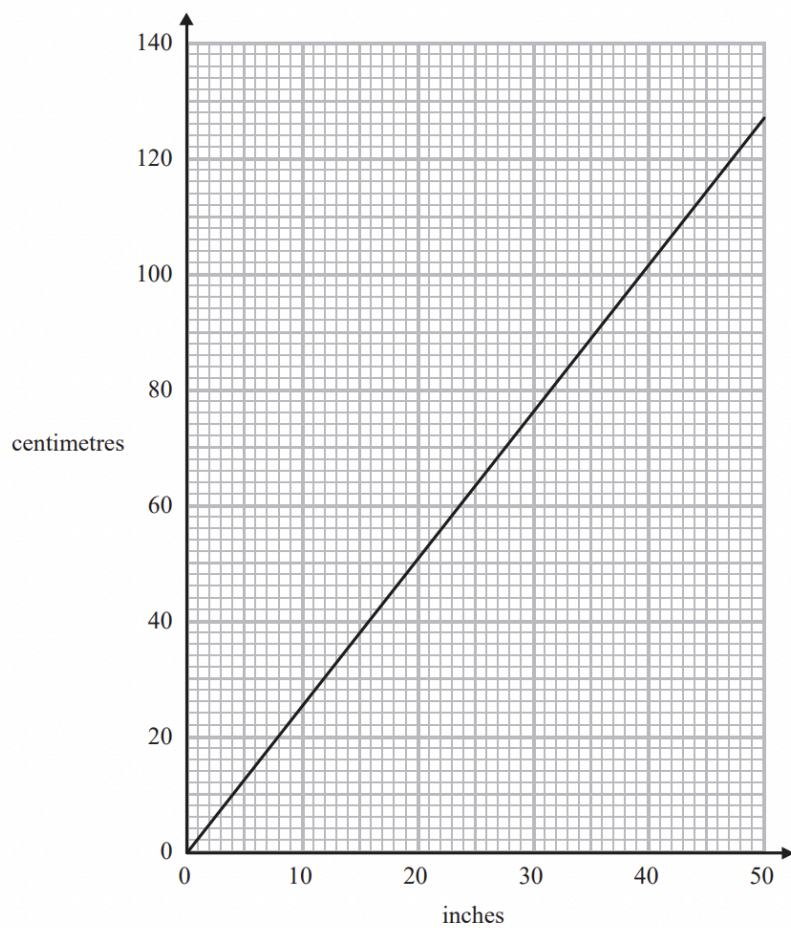


Q1 June 2017

11 You can use this graph to change between inches and centimetres.



(a) Change 74 cm to inches.

..... inches
(1)

Daniel's height is 6 feet 3 inches.

1 foot = 12 inches

(b) What is Daniel's height in centimetres?

..... centimetres
(3)

(Total for Question 11 is 4 marks)

Q2 June 2018

5 (a) Change 35 cm to mm.

..... mm
(1)

(b) Change 7700 millilitres to litres.

..... litres
(1)

(c) Change 0.32 kilograms to grams.

..... grams
(1)

(Total for Question 5 is 3 marks)

Q3 June 2019

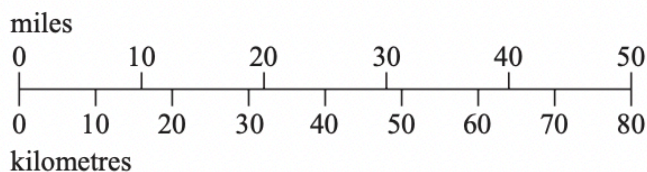
4 Change 1756 grams to kilograms.

.....kg

(Total for Question 4 is 1 mark)

Q4 June 2020

- 9 This scale can be used to change between kilometres and miles.



- (a) Use the scale to change 40 kilometres to miles.

..... miles
(1)

Here is an approximate rule to change from kilometres to miles.

Divide the distance in kilometres by 10 and then multiply by 6

- (b) Use this approximate rule to change 40 kilometres to miles.

..... miles
(2)

- (c) Compare your answer to part (b) with your answer to part (a).

.....
.....
.....
(1)

(Total for Question 9 is 4 marks)

- 16** On a scale drawing, a building has length 12.4 cm and width 9.4 cm.
The real length of the building is 62 metres.

Work out, in metres, the real width of the building.

..... metres

(Total for Question 16 is 3 marks)

Q6 June 2022

- 24** Festival A will be in a rectangular field with an area of $80\,000\text{ m}^2$
The greatest number of people allowed to attend Festival A is 425

Festival B will be in a rectangular field 700 m by 2000 m.

The greatest number of people allowed to attend Festival B is 6750

The area per person allowed for Festival B is greater than the area per person allowed for Festival A.

- (a) How much greater?

Give your answer correct to the nearest whole number.

..... m^2
(4)

Callum says,

“ 300 cm^2 is the same as 3 m^2 because there are 100 cm in 1 m so you divide by 100”

Callum’s method is wrong.

- (b) Explain why.

.....
.....
.....
(1)

(Total for Question 24 is 5 marks)

Q7 June 2023

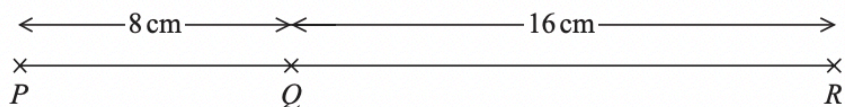
- 3 Change 9 metres into centimetres.

..... centimetres

(Total for Question 3 is 1 mark)

Q8 June 2023

- 8 The diagram shows three motorway service stations P , Q and R on a map.



The map has a scale of $1 \text{ cm} = 4 \text{ km}$.

Work out the real distance from P to R .

..... km

(Total for Question 8 is 3 marks)

Q9 June 2024

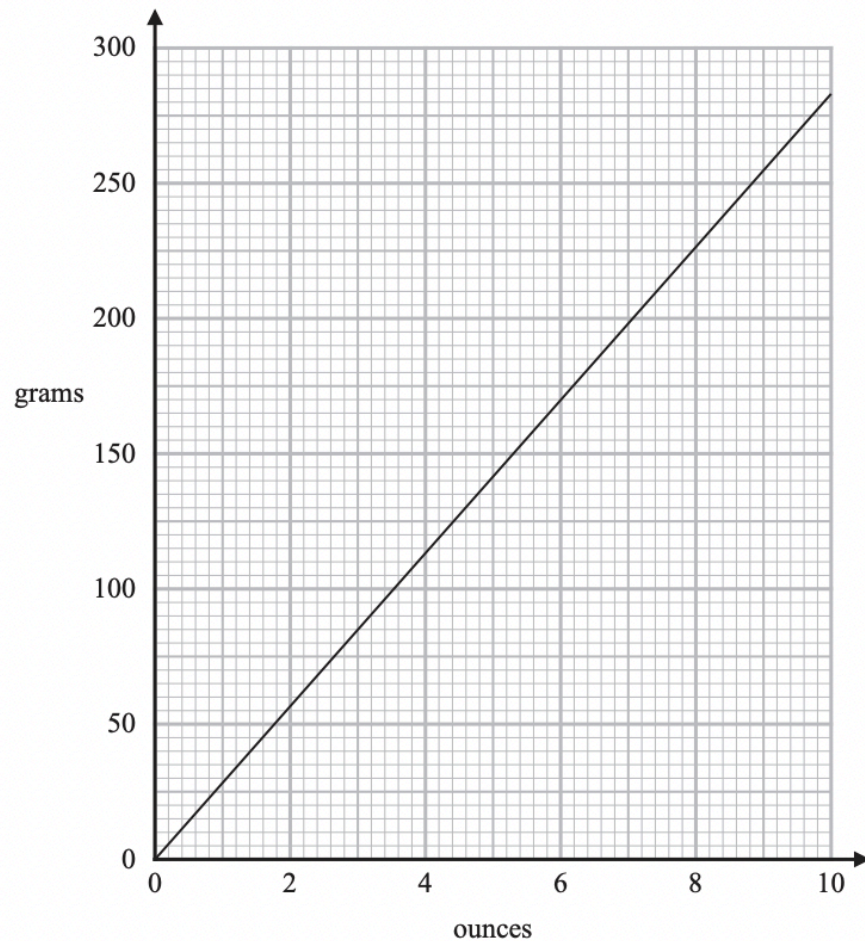
- 2 Change 5000 millilitres to litres.

..... litres

(Total for Question 2 is 1 mark)

Q10 June 2024

16 You can use this graph to change between ounces and grams.



(a) Change 6 ounces to grams.

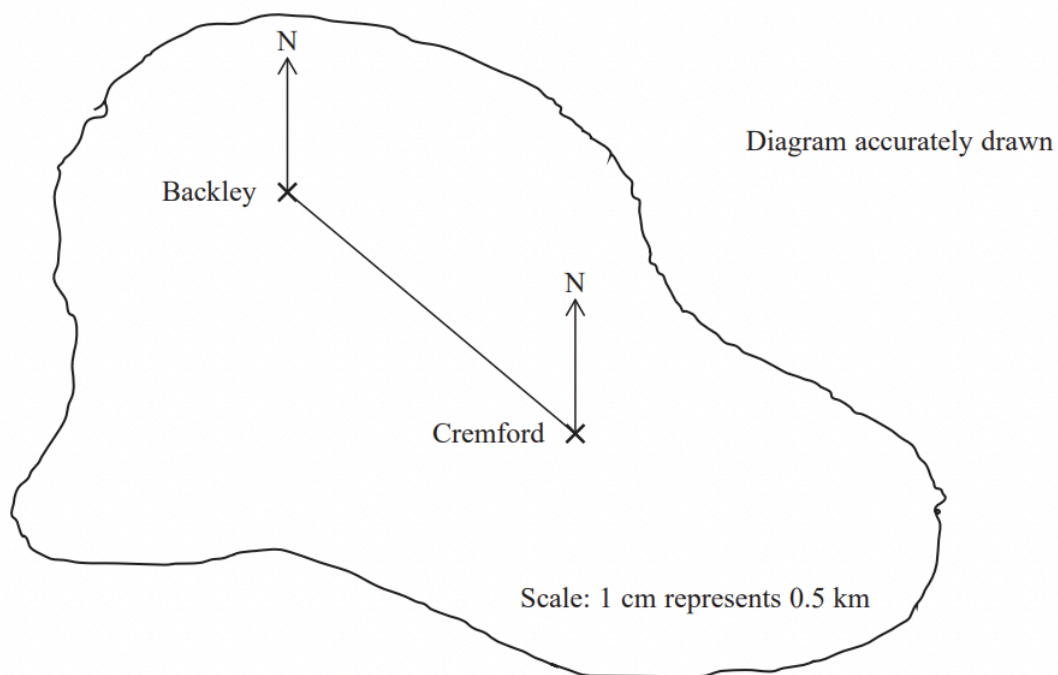
..... grams
(1)

(b) Change 1 kg to ounces.

..... ounces
(2)

(Total for Question 16 is 3 marks)

9 Here is a map of an island.



A straight road joins the two villages, Backley and Cremford.

(a) Work out the real distance between the two villages.

..... km
(2)

(b) Find the bearing of Cremford from Backley.

.....
(1)

(Total for Question 9 is 3 marks)

3 (a) Change 4560 g into kg.

.....kg
(1)

(b) Change 7.3 m into mm.

.....mm
(1)

(Total for Question 3 is 2 marks)

Q13 Nov 2018

8 A map has a scale of 1 cm to 14 km.

On the map, the distance between Manchester and London is 18.8 cm.

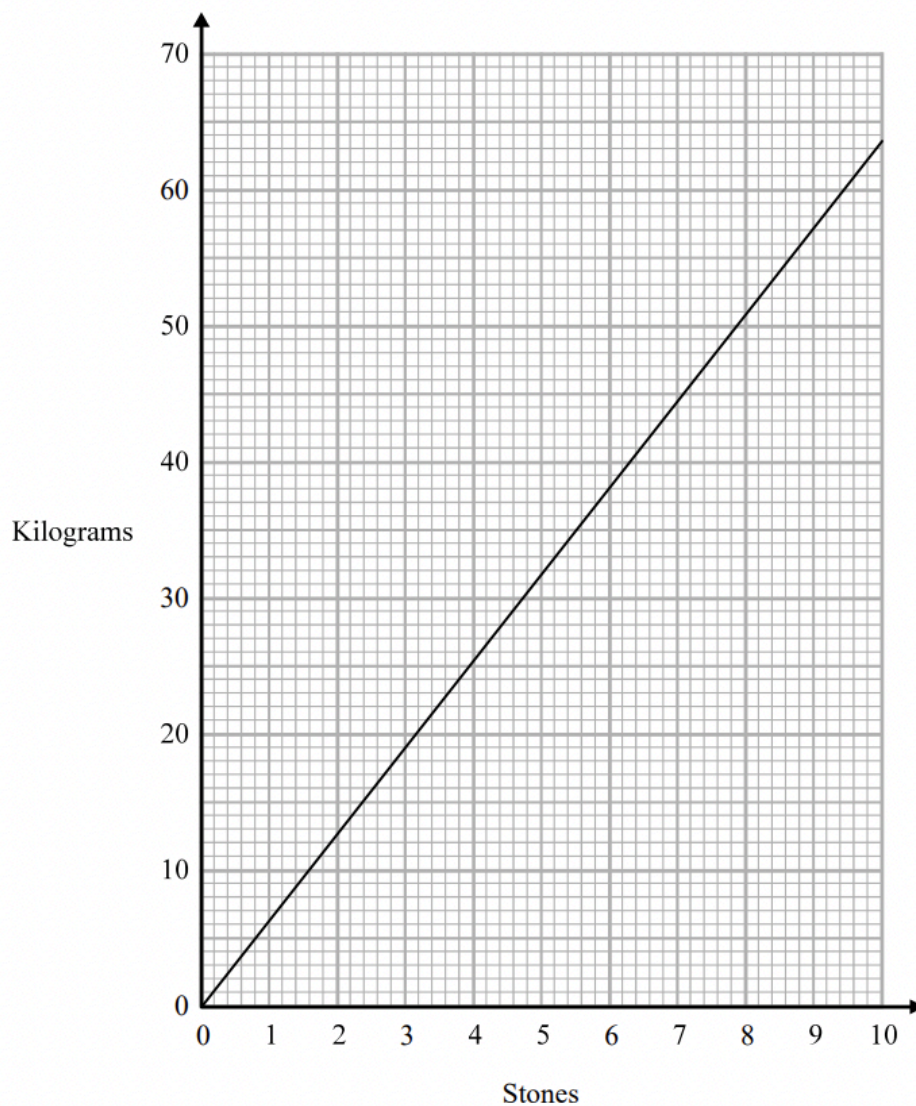
What is the real distance, in km, between Manchester and London?

.....km

(Total for Question 8 is 2 marks)

Q14 Nov 2019

11 You can use this graph to change between stones and kilograms.



(a) Change 3 stones to kilograms.

..... kilograms
(1)

(b) Change 80 kilograms to stones.

..... stones
(2)

(Total for Question 11 is 3 marks)

Q15 Nov 2019

15 The length of a plane is 19.2 metres.

Lukas buys a scale model of the plane.

The scale of the model is 1 : 24

Work out the length of the scale model of the plane.

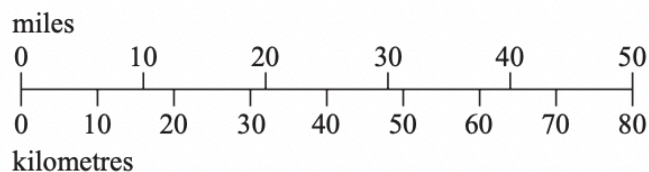
Give your answer in centimetres.

..... centimetres

(Total for Question 15 is 3 marks)

Q16 Nov 2020

- 9 This scale can be used to change between kilometres and miles.



- (a) Use the scale to change 40 kilometres to miles.

..... miles
(1)

Here is an approximate rule to change from kilometres to miles.

Divide the distance in kilometres by 10 and then multiply by 6

- (b) Use this approximate rule to change 40 kilometres to miles.

..... miles
(2)

- (c) Compare your answer to part (b) with your answer to part (a).

.....

 (1)

(Total for Question 9 is 4 marks)

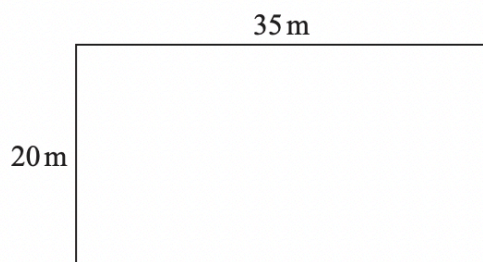
- 2 Change 3 metres into centimetres.

..... centimetres

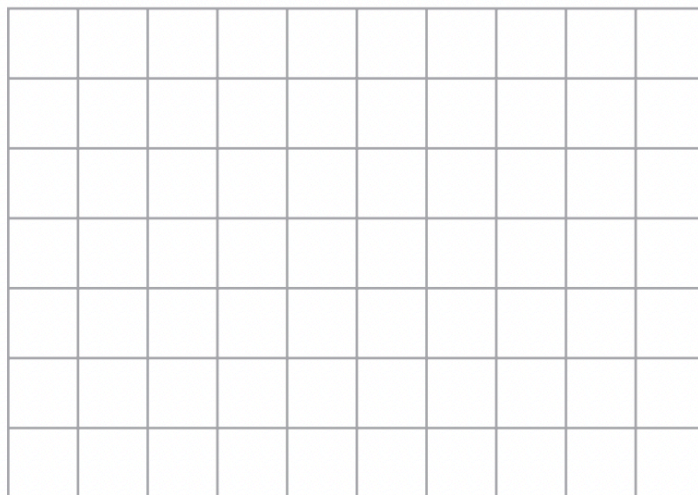
(Total for Question 2 is 1 mark)

Q18 Nov 2021

- 5 The diagram shows a rectangle.



On the centimetre grid below, draw an accurate scale drawing of this rectangle.
Use a scale of 1 cm to represent 5 m.



(Total for Question 5 is 2 marks)

Q19 Nov 2022

- 4 Change 53 centimetres to millimetres.

..... millimetres

(Total for Question 4 is 1 mark)

Q20 Nov 2023

- 3 Change 7 metres to centimetres.

..... centimetres

(Total for Question 3 is 1 mark)

Q21 Nov 2024

- 15 A map has a scale of 1 : 25 000
On the map, a road has a length of 14 cm.

Work out the real length of the road.
Give your answer in kilometres.

..... kilometres

(Total for Question 15 is 3 marks)
